

RECLAMATION

Managing Water in the West

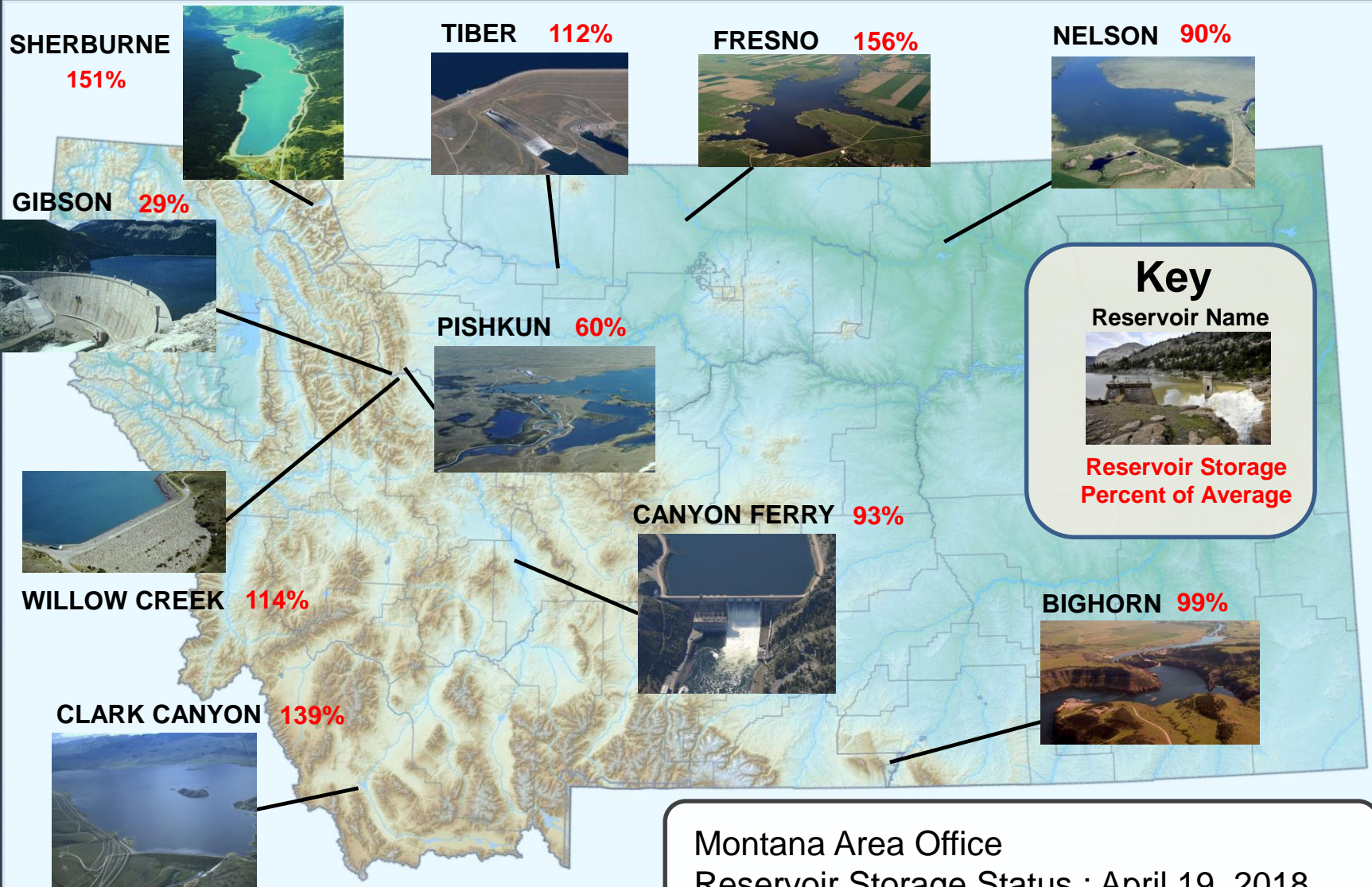
River and Reservoir Status Briefing

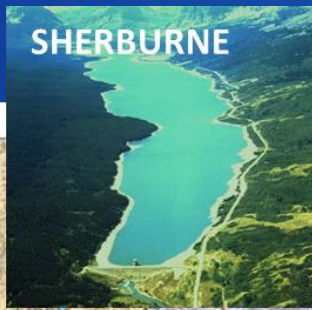
RESERVOIR OPERATIONS

Montana Area Office
Billings, Montana
April 19, 2018



U.S. Department of the Interior
Bureau of Reclamation





Clark Fork Kootenai and St. Mary Basins

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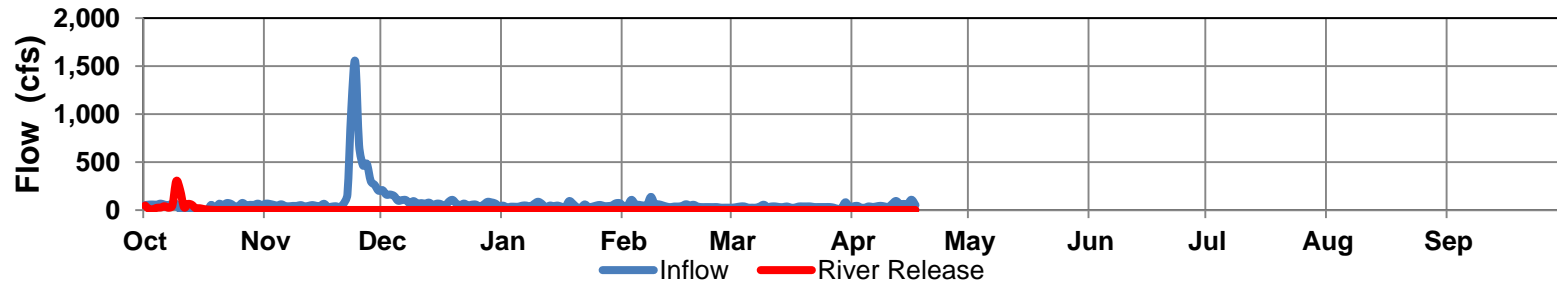
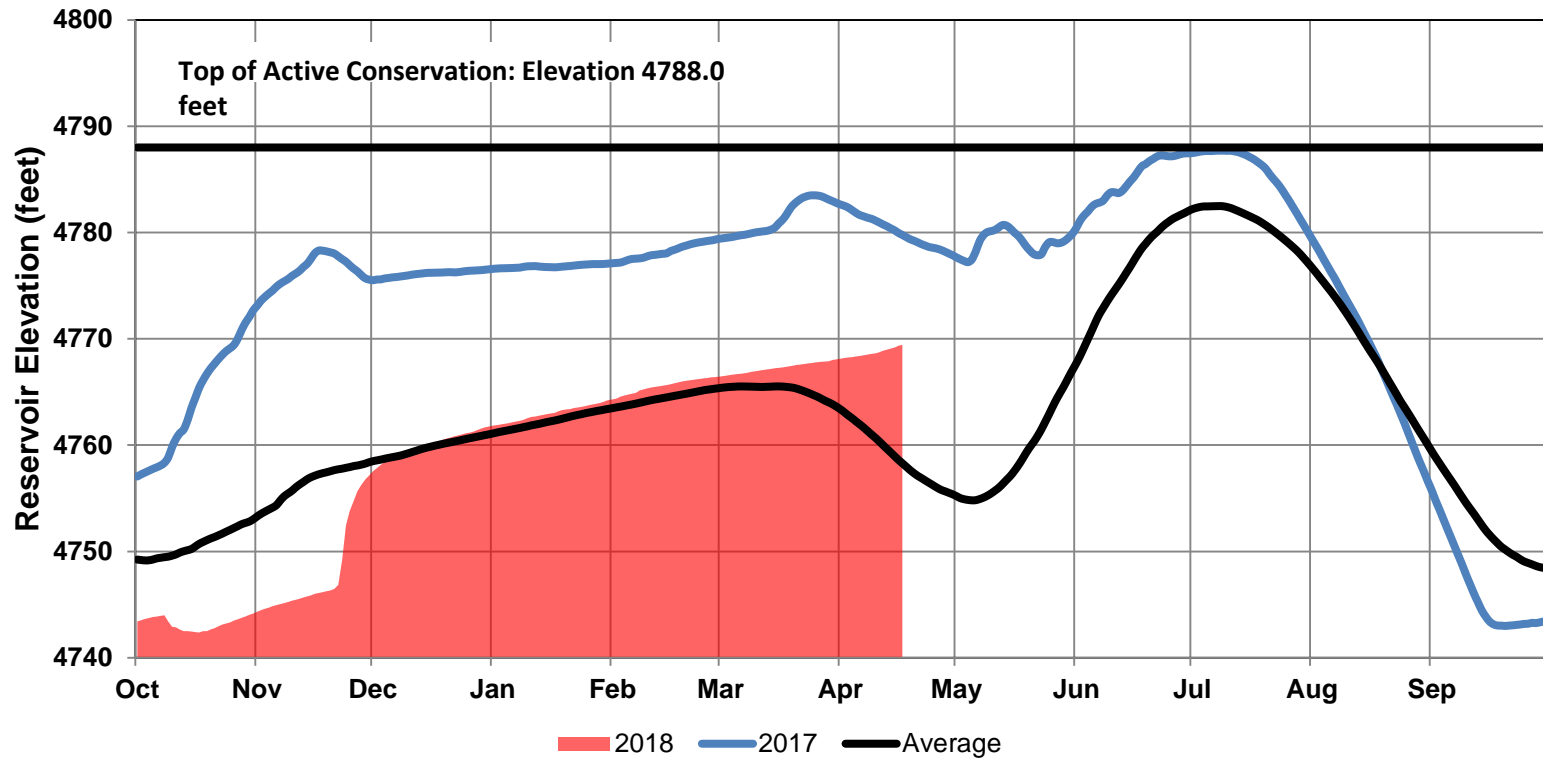
Summary of Conditions

Lake Sherburne

- Elevation – 4769.3 feet
- Storage – 38,019 acre-feet
- Release – 0 cfs
- Inflow – 50 cfs
- Snowpack – 149% of avg

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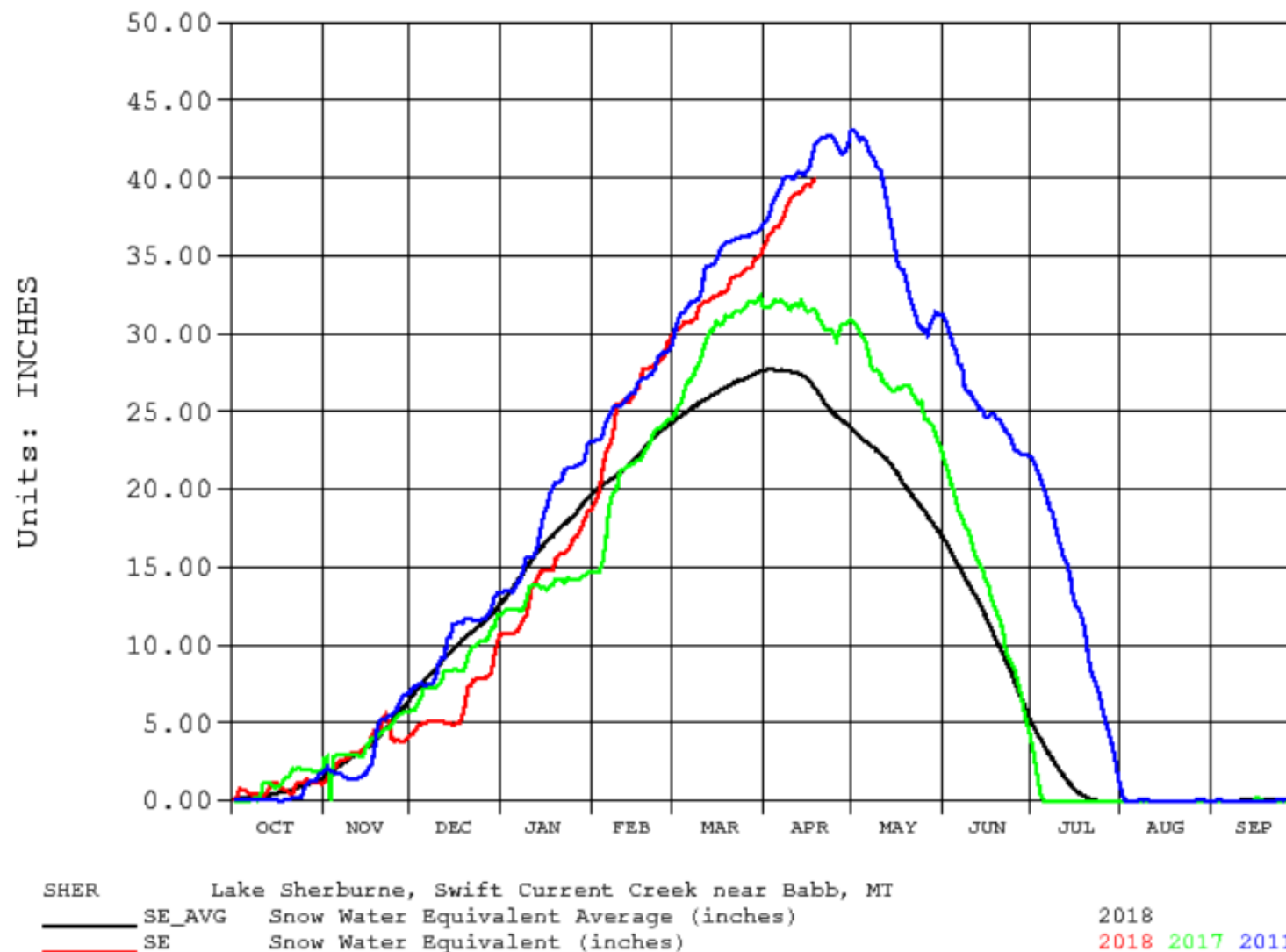
Lake Sherburne Operations



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TIBER



GIBSON



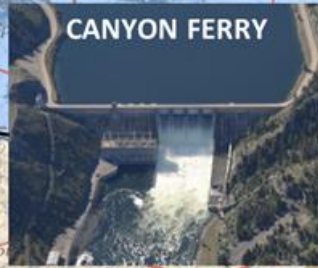
PISHKUN



WILLOW CREEK



CANYON FERRY



CLARK CANYON



- Clark Fork
- Kootenai
- Little Missouri
- Lower Missouri
- St. Mary - Hudson Bay
- Upper Missouri
- Yellowstone
- Montana Indian Reservations

Upper Missouri Basin

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Summary of Conditions

- **Elevation**

Canyon Ferry – 3778.6 feet

Gibson – 4628.7 feet

Clark Canyon – 5546.4 feet

Tiber – 2986.5 feet

- **Storage**

Canyon Ferry – 1,319,604 acre-feet

Gibson – 13,332 acre-feet

Clark Canyon – 176,121 acre-feet

Tiber – 814,109 acre-feet

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Summary of Conditions

- **Reservoir releases**

Canyon Ferry – 7603 cfs

Gibson – 248 cfs

Clark Canyon – 78 cfs

Tiber – 1048 cfs

- **Snowpack**

Canyon Ferry – 131% of avg

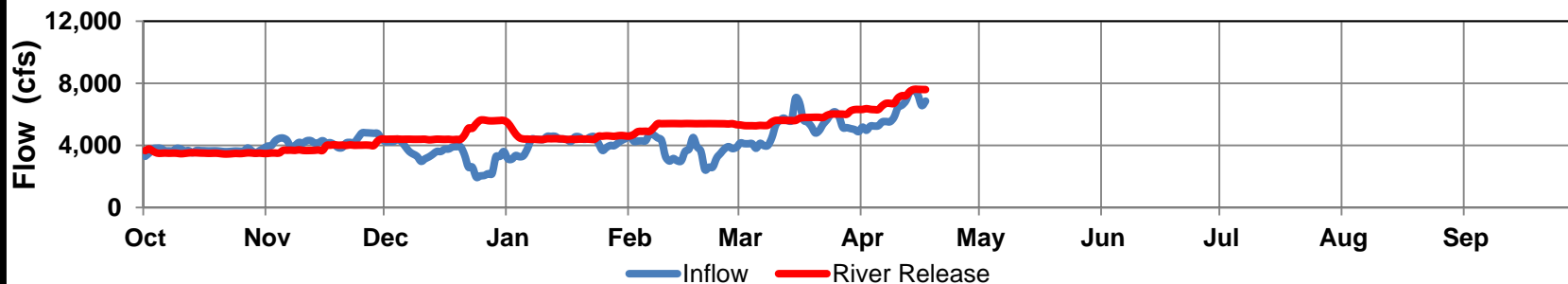
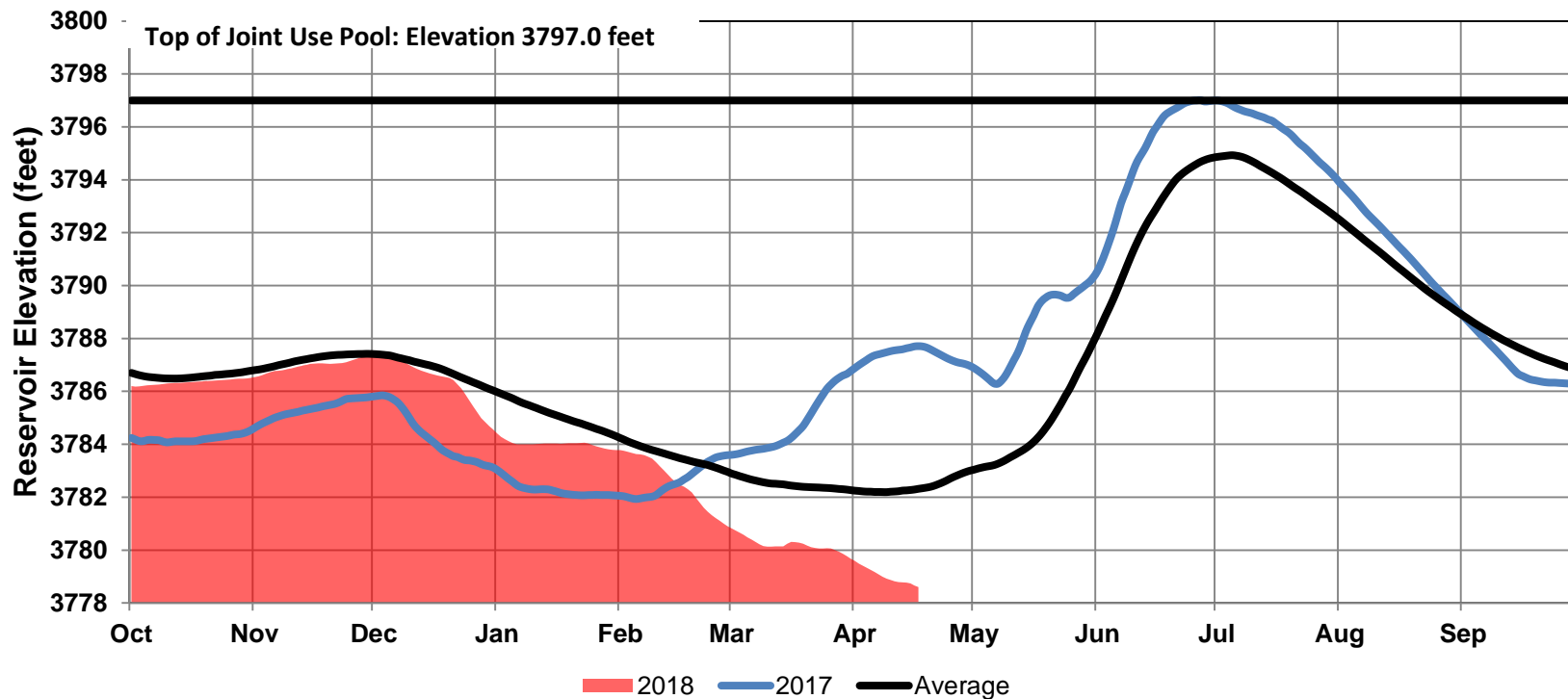
Gibson – 118% of avg

Clark Canyon – 123% of avg

Tiber – 111% of avg

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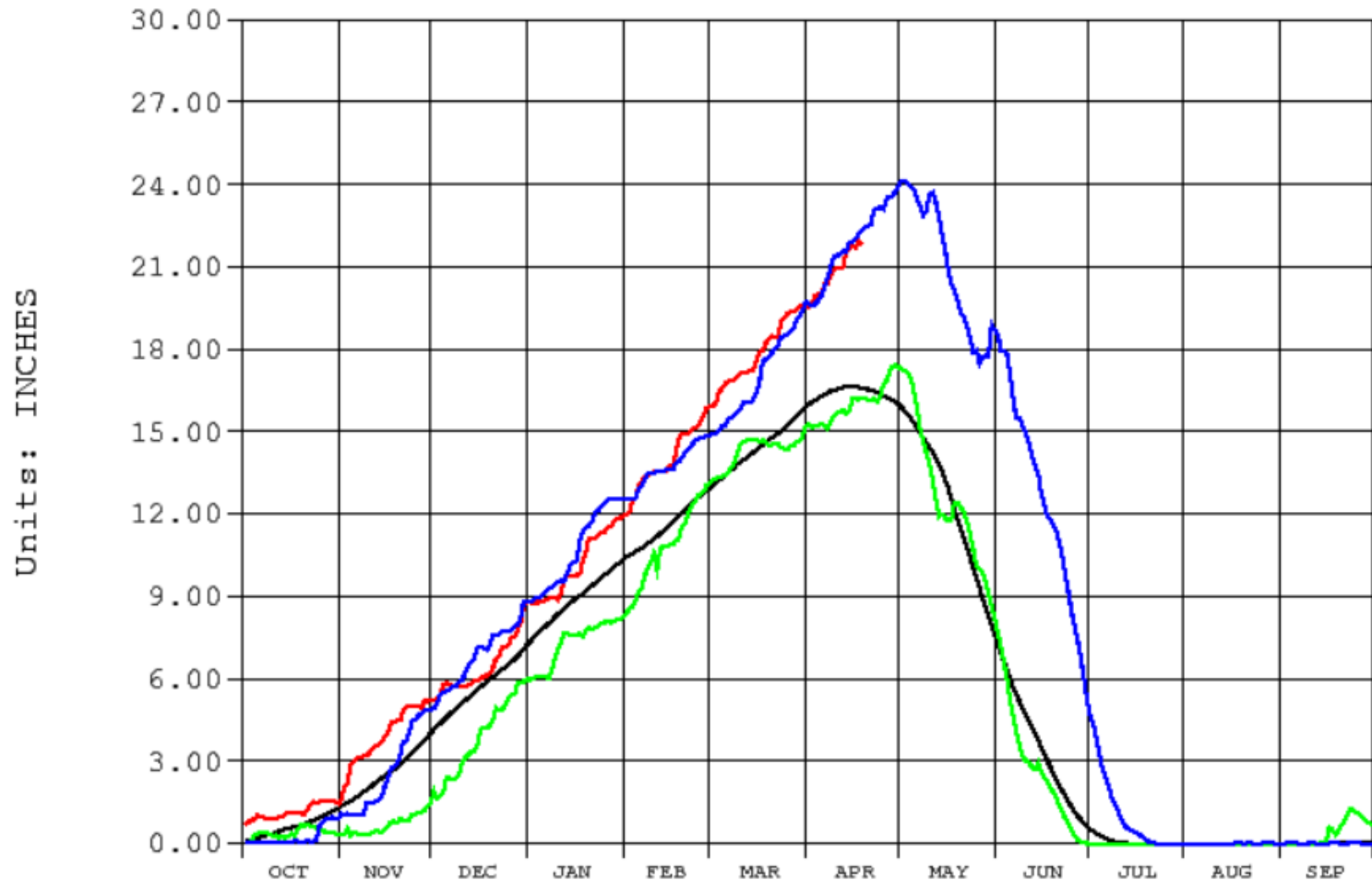
Canyon Ferry Reservoir Operations



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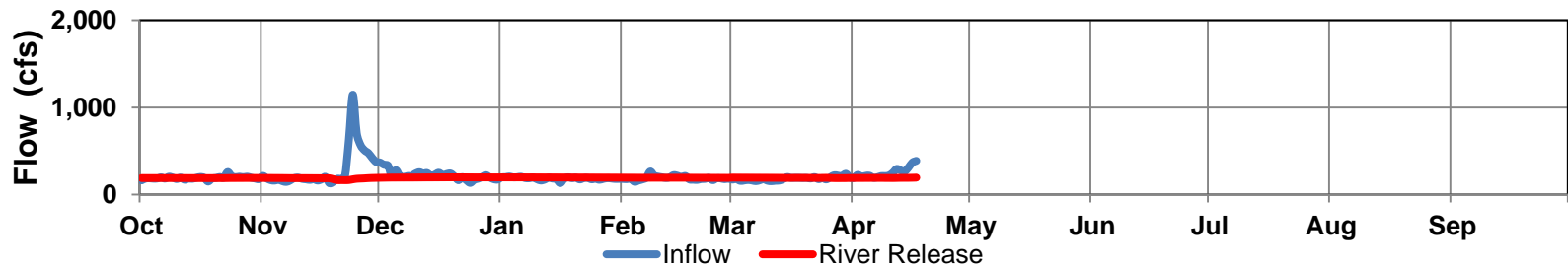
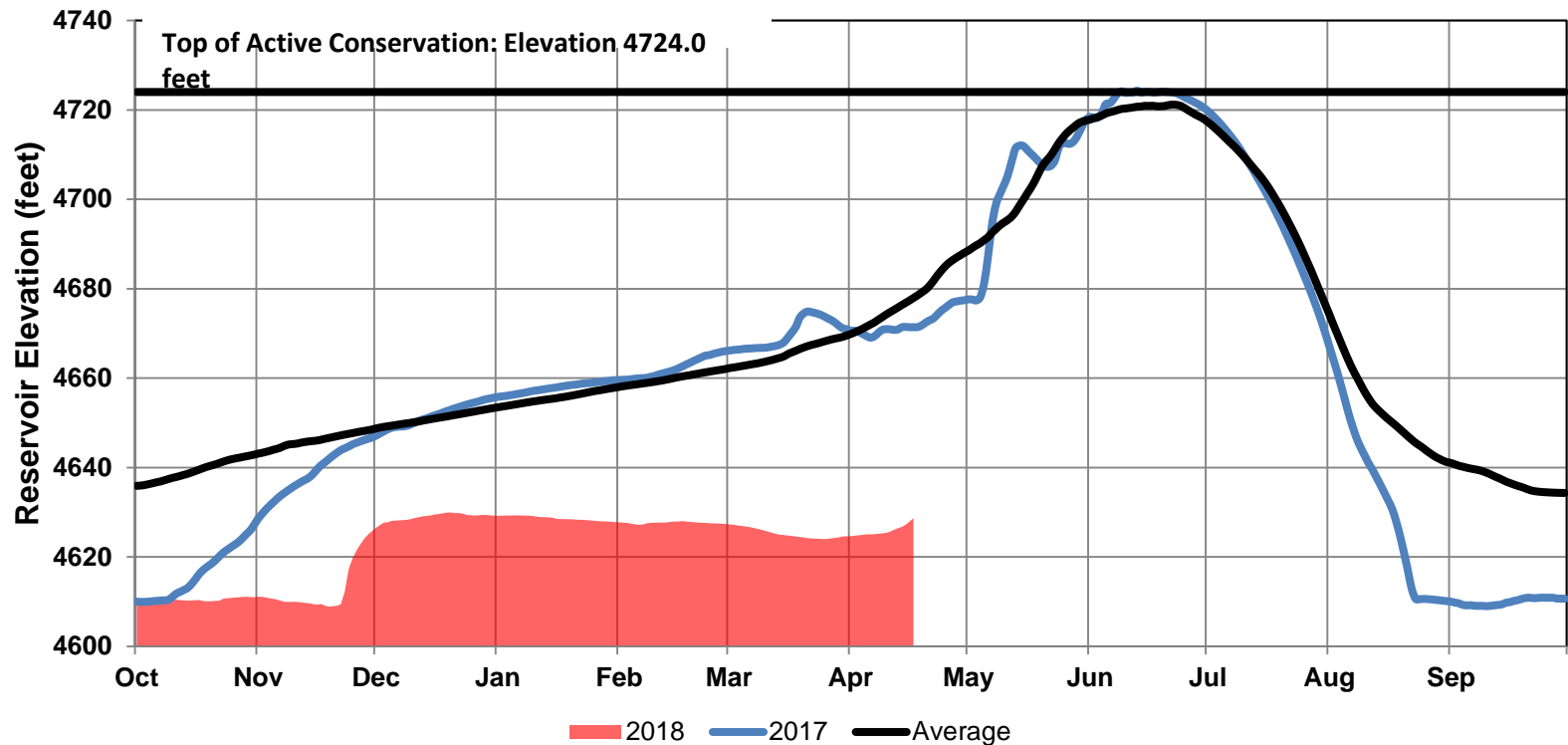


CFR Canyon Ferry Lake, Missouri River near Helena, MT
SE_AVG Snow Water Equivalent Average (inches)
SE Snow Water Equivalent (inches)

2018
2018 2017 2011

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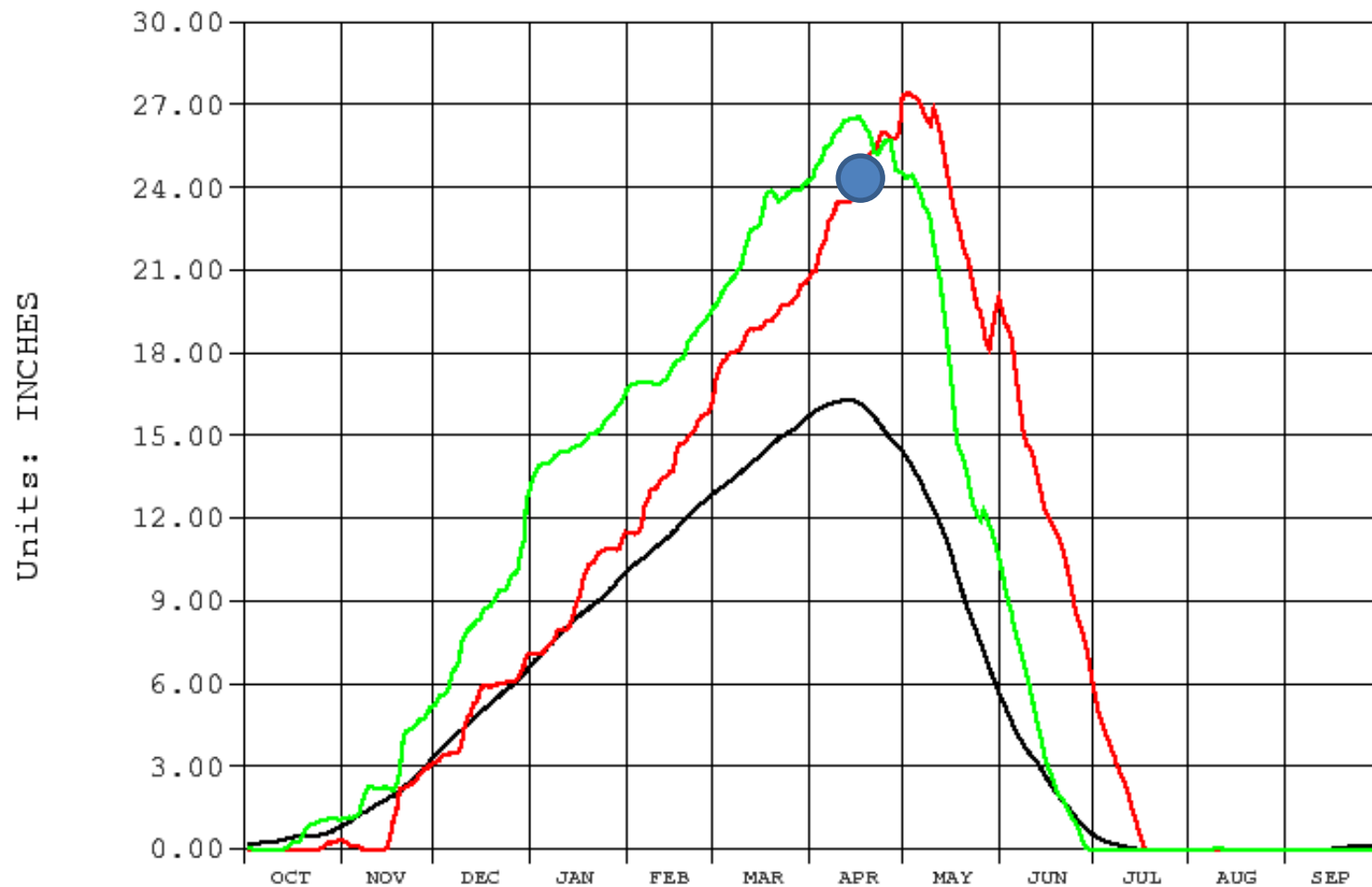
Gibson Reservoir Operations



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GIBR Gibson Reservoir, Sun River near Great Falls, MT

SE_AVG Snow Water Equivalent Average (inches)

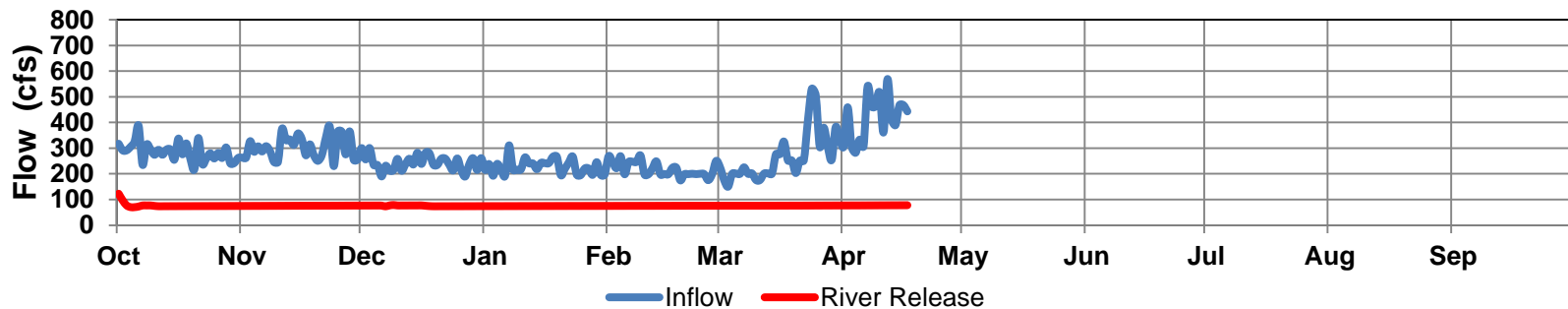
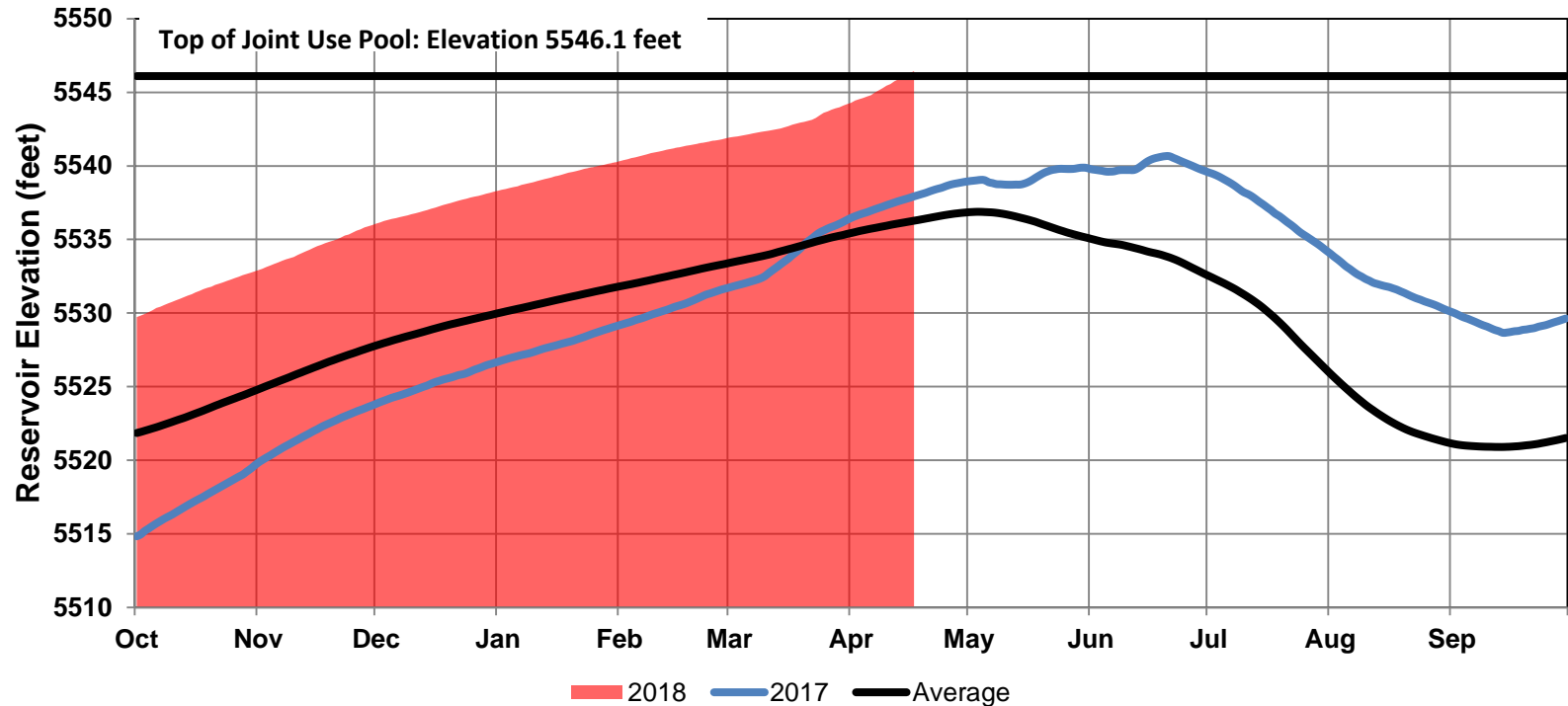
SE Snow Water Equivalent (inches)

2018

2011 1997

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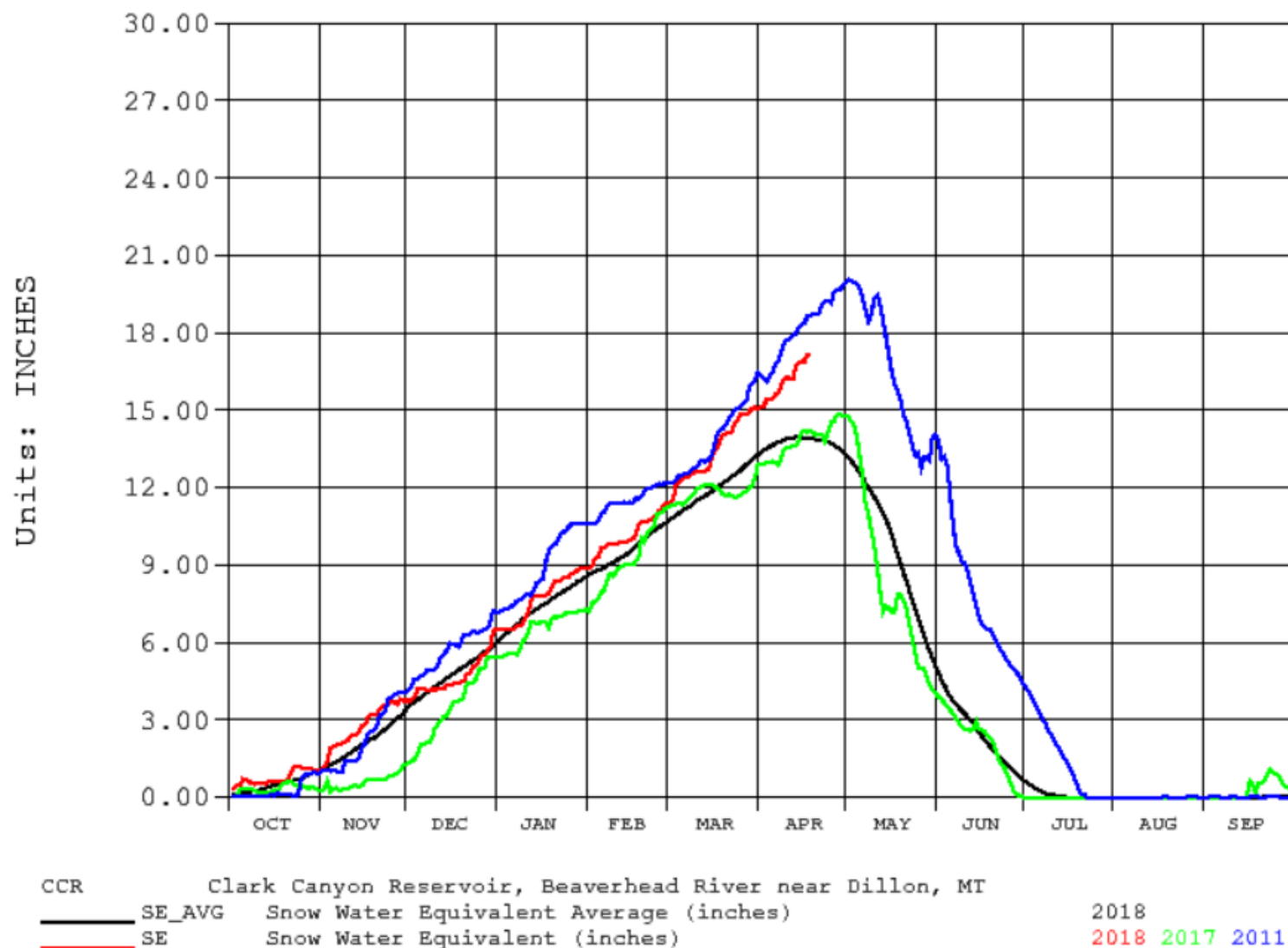
Clark Canyon Reservoir Operations



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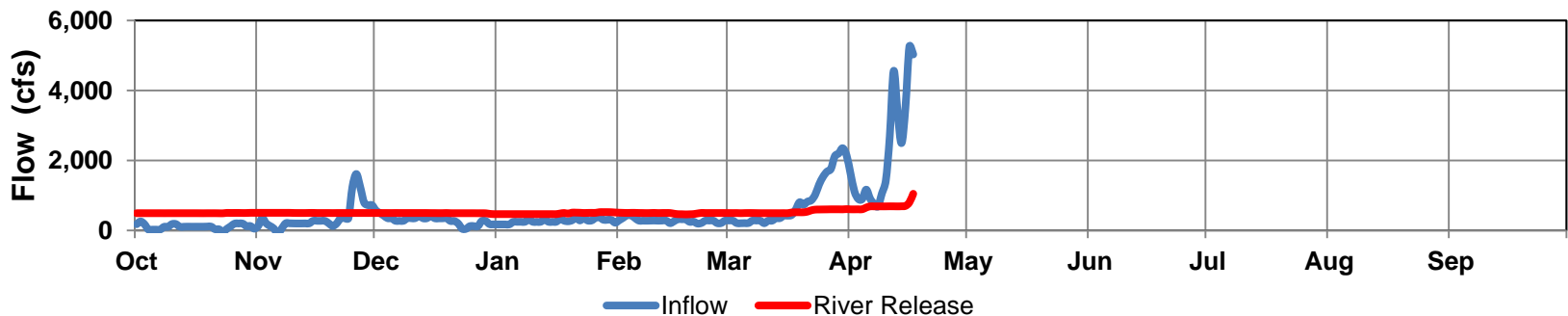
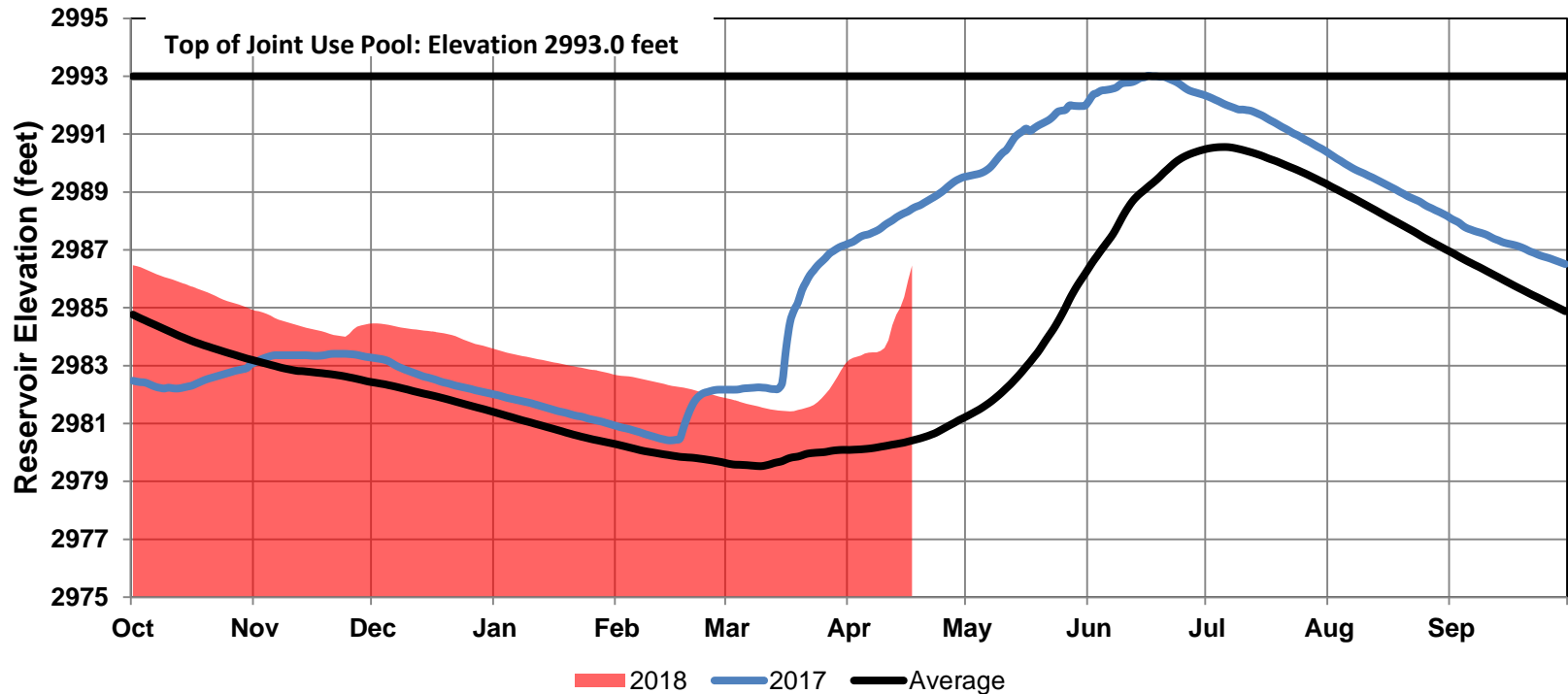
Archive Data From 1-OCT Through 30-SEP

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RECLAMATION

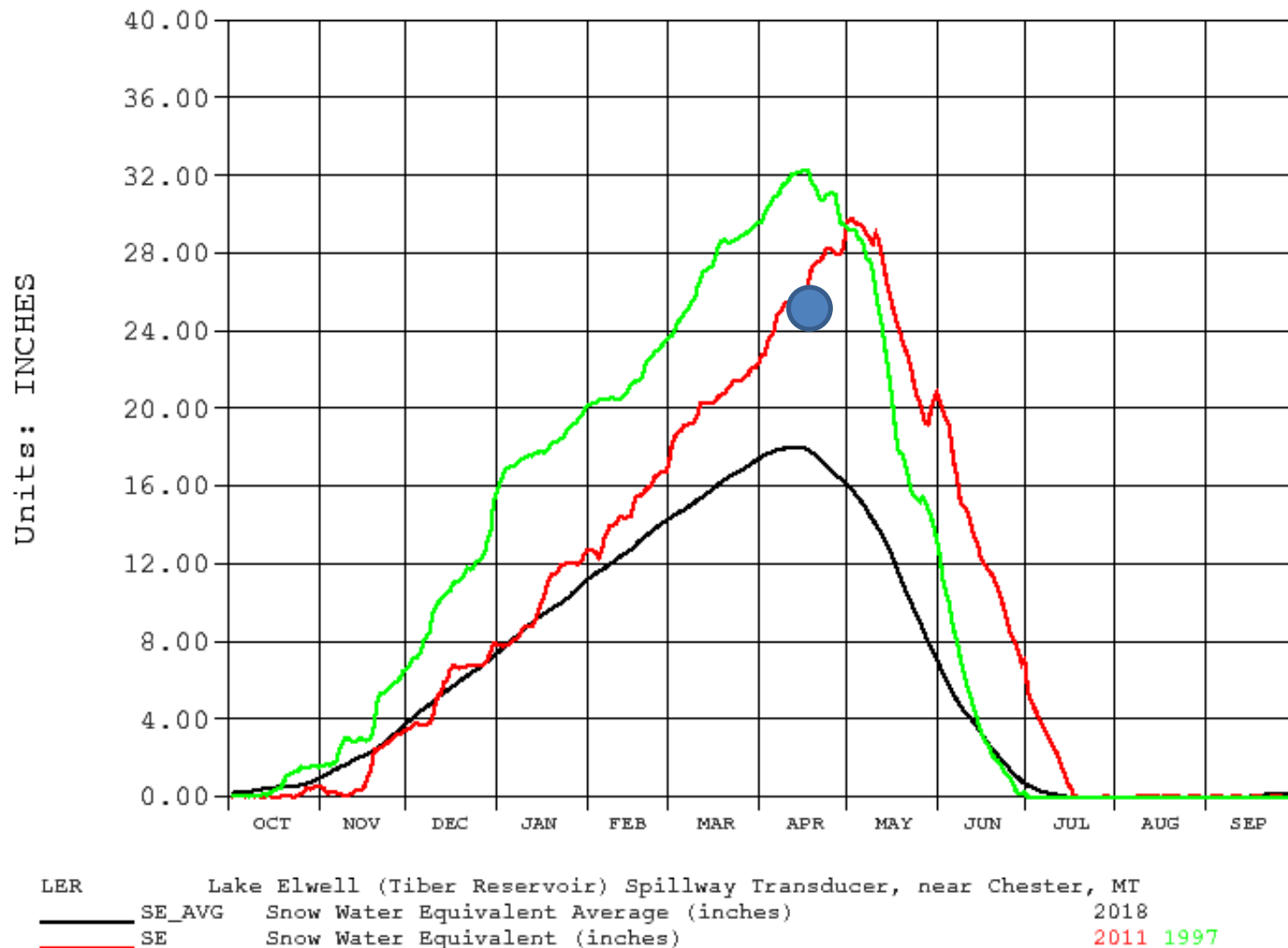
Lake Elwell (Tiber Dam) Operations



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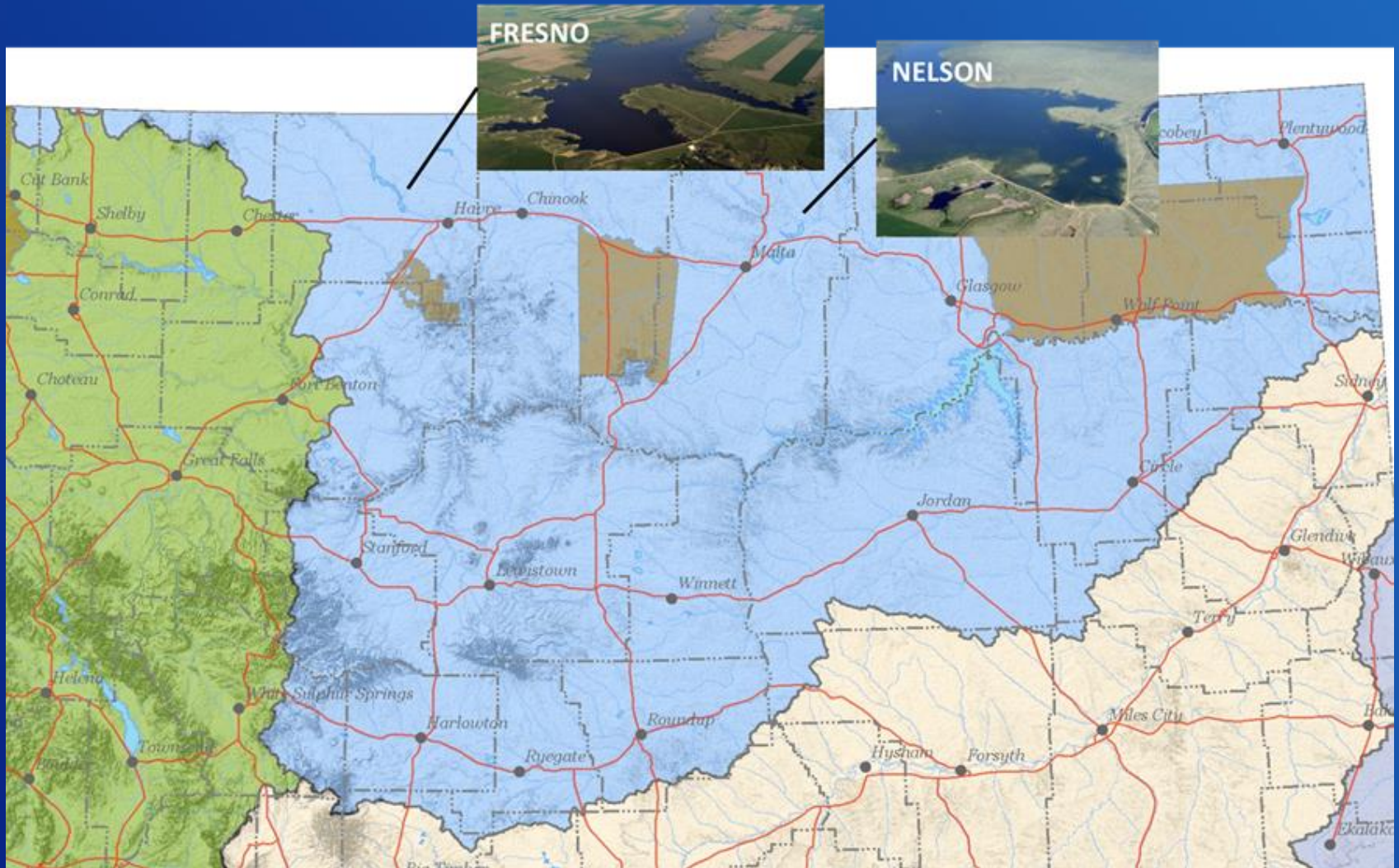
Archive Data From 1-OCT Through 30-SEP

Plotted 04/18/2018 19:15 (Provisional Data Subject to Revision)



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Lower Missouri Basin



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Summary of Conditions

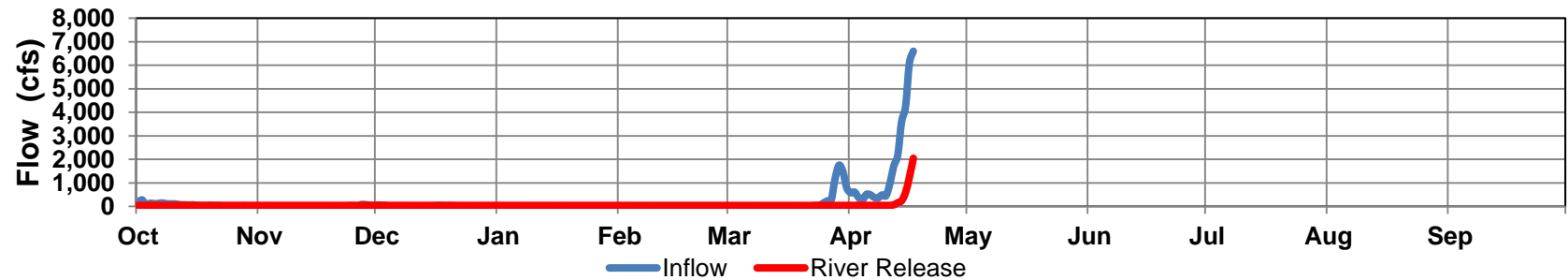
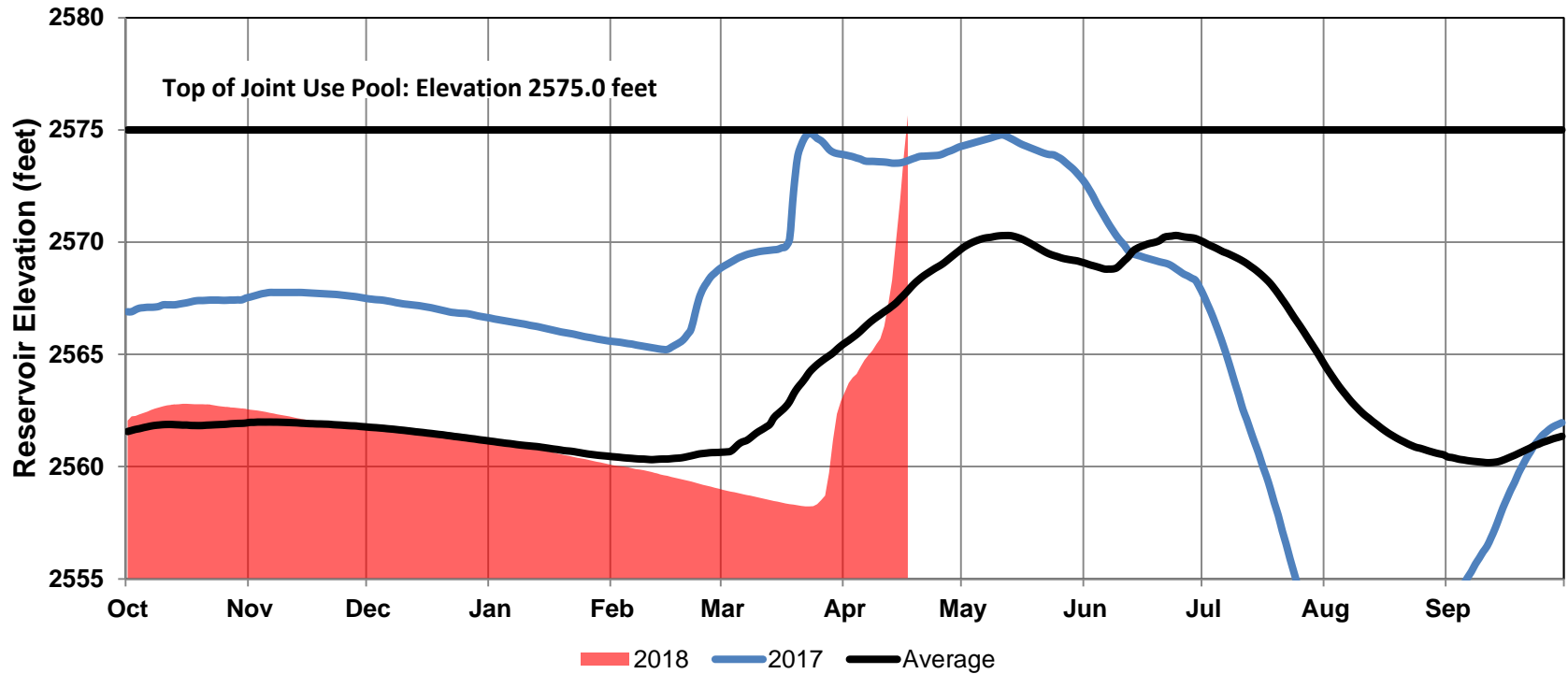
- **Fresno flood operations**
 - Elevation – 2576.2 feet**
 - Storage – 98,352 acre-feet**
 - Release – 3418 cfs**
 - Inflow – 6600 cfs**
 - Snowpack – 356% of avg**

Flood warnings:

Milk River at Havre
Milk River at Harlem
Big Sandy Creek
Battle Creek

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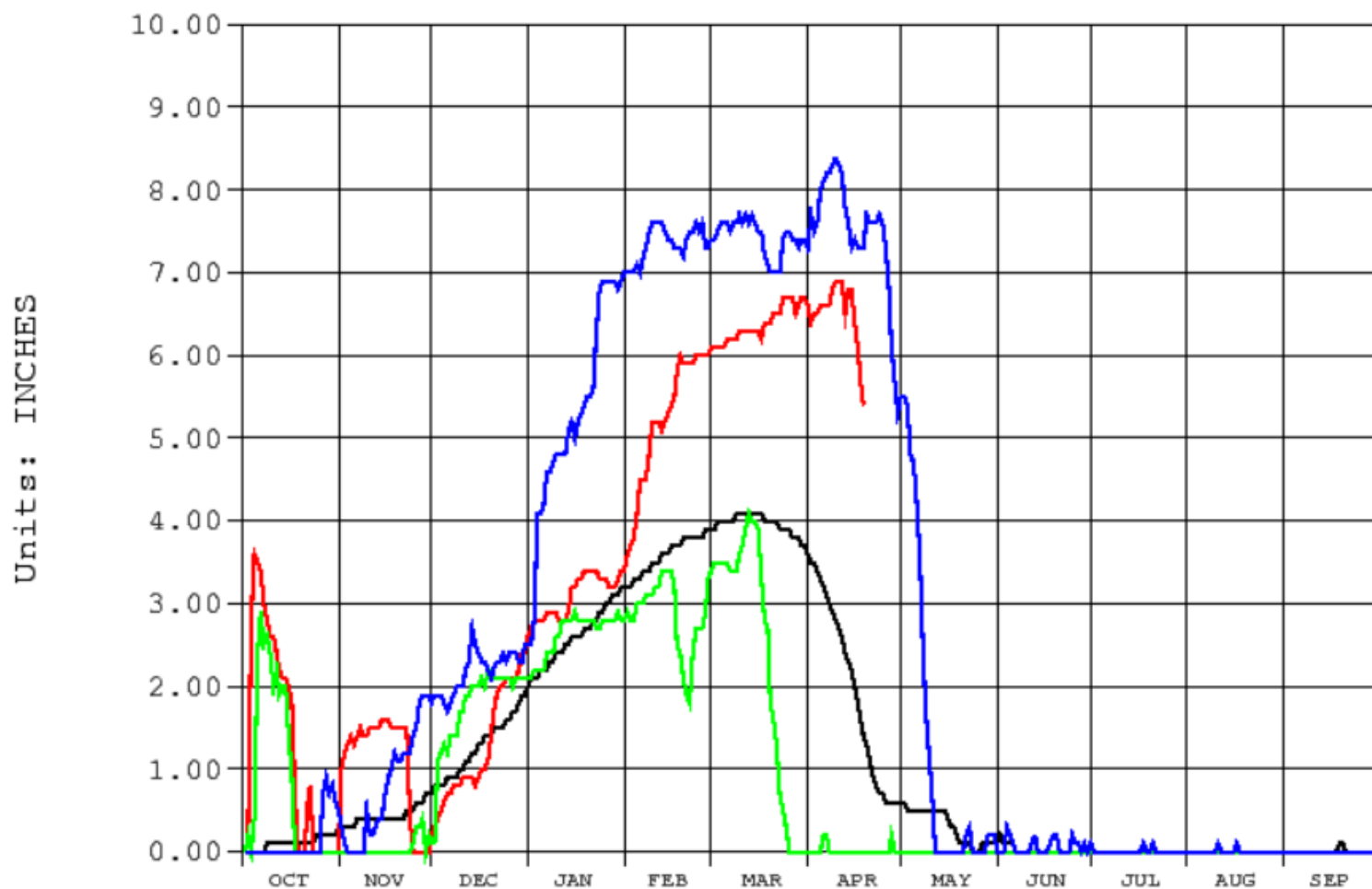
Fresno Reservoir Operations



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FRR Fresno Reservoir, Milk River near Havre, MT
SE_AVG Snow Water Equivalent Average (inches)
SE Snow Water Equivalent (inches)

2018
2018 2017 2011

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Yellowstone Basin



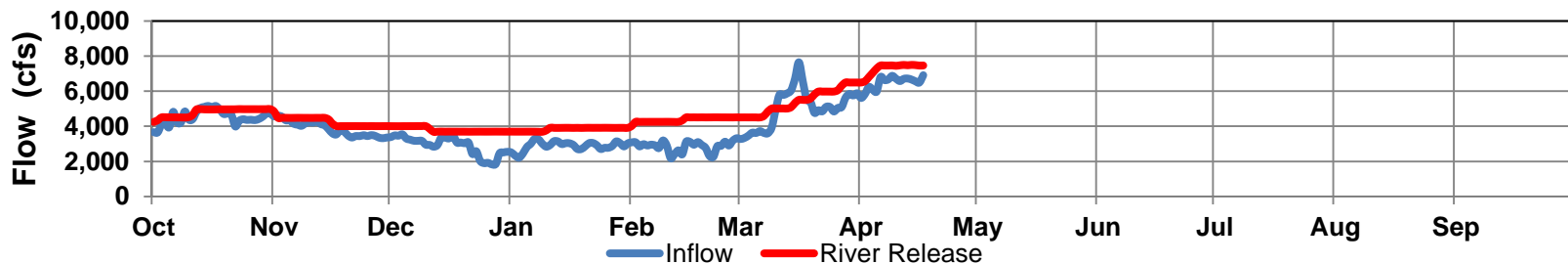
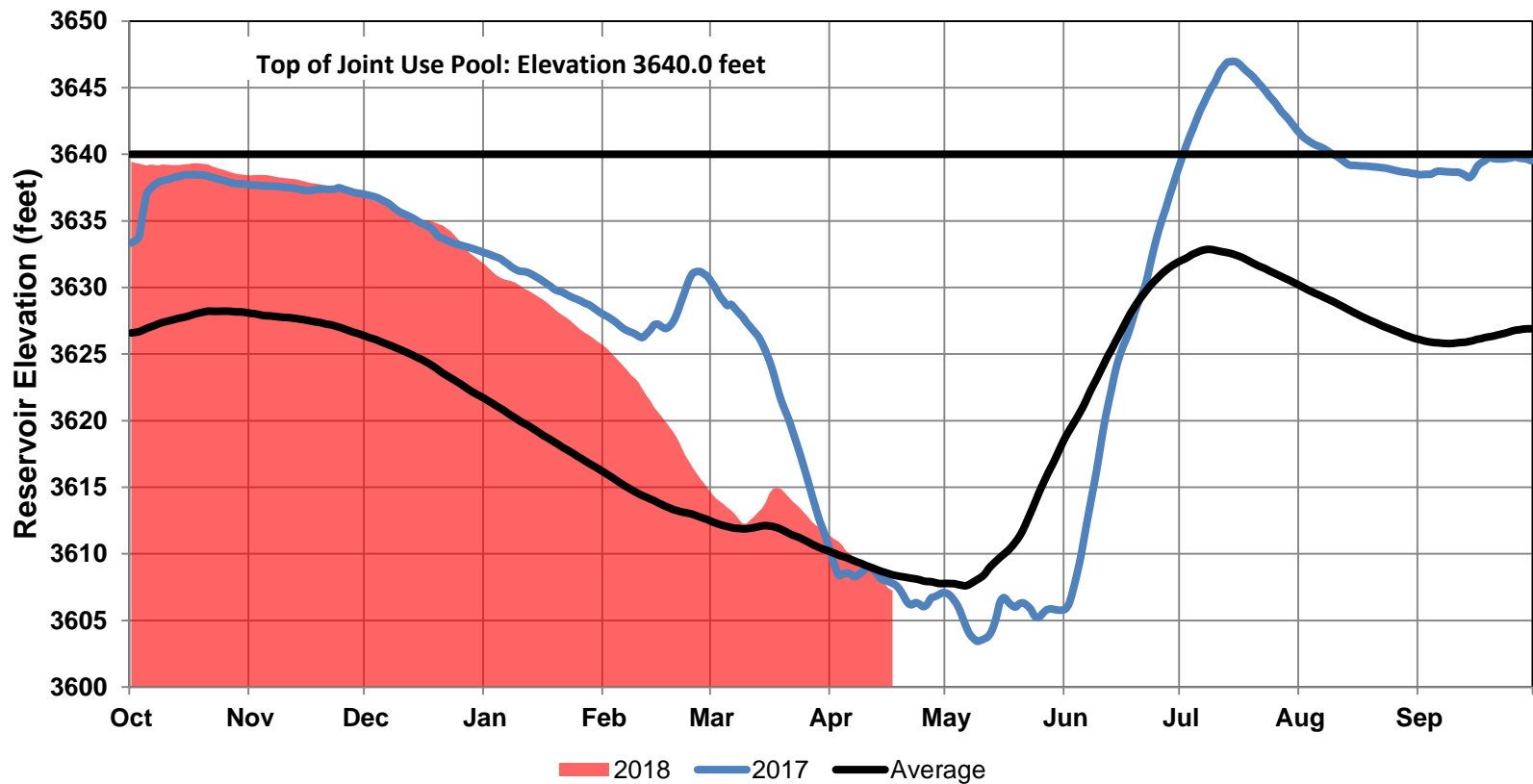
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Summary of Conditions

Bighorn Lake (Yellowtail Dam)

- Elevation – 3607 feet
- Storage – 748316 AF
- Release – 7,389 cfs
- Inflow – 6,914 cfs
- Snowpack – 124% of avg

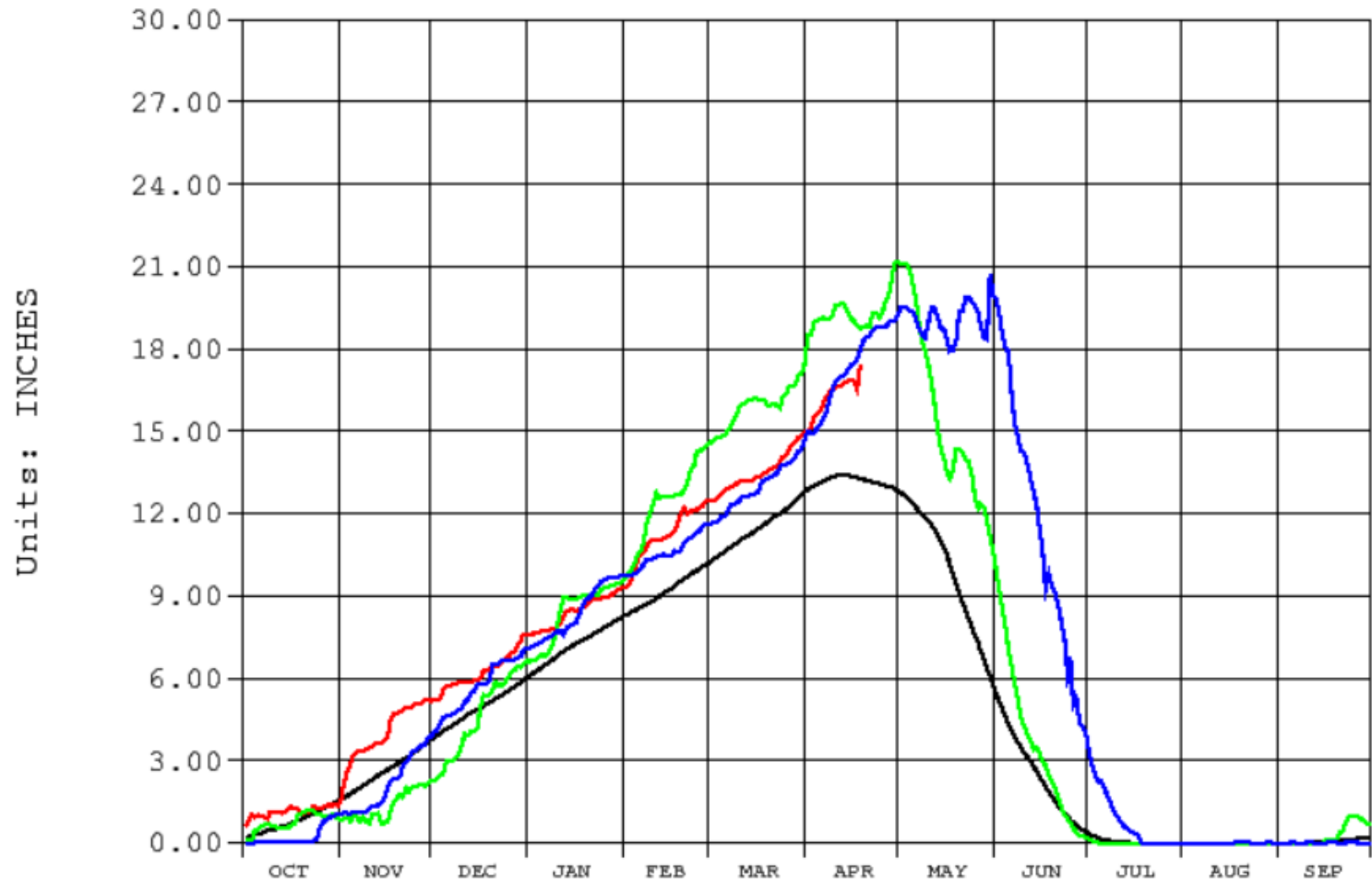
Bighorn Lake (Yellowtail Dam) Operations



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Archive Data From 1-OCT Through 30-SEP

Plotted 04/18/2018 14:59 (Provisional Data Subject to Revision)



BHR Bighorn Lake (Yellowtail), Bighorn River near Fort Smith, MT
SE_AVG Snow Water Equivalent Average (inches)
SE Snow Water Equivalent (inches)

2018
2018 2017 2011

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Reclamation Website

<http://www.usbr.gov/gp/hydromet/>

- near real-time data available through the HYDROMET data system
- summaries and plots of historical data
- annual reservoir operating plan publication
- monthly water supply reports
- project data
- snow plots
- links to related internet sites

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